

5B: SYPHILIS

Table 5B.1: Urban 2005 ANC Surveillance Sites with RPR Reactivity

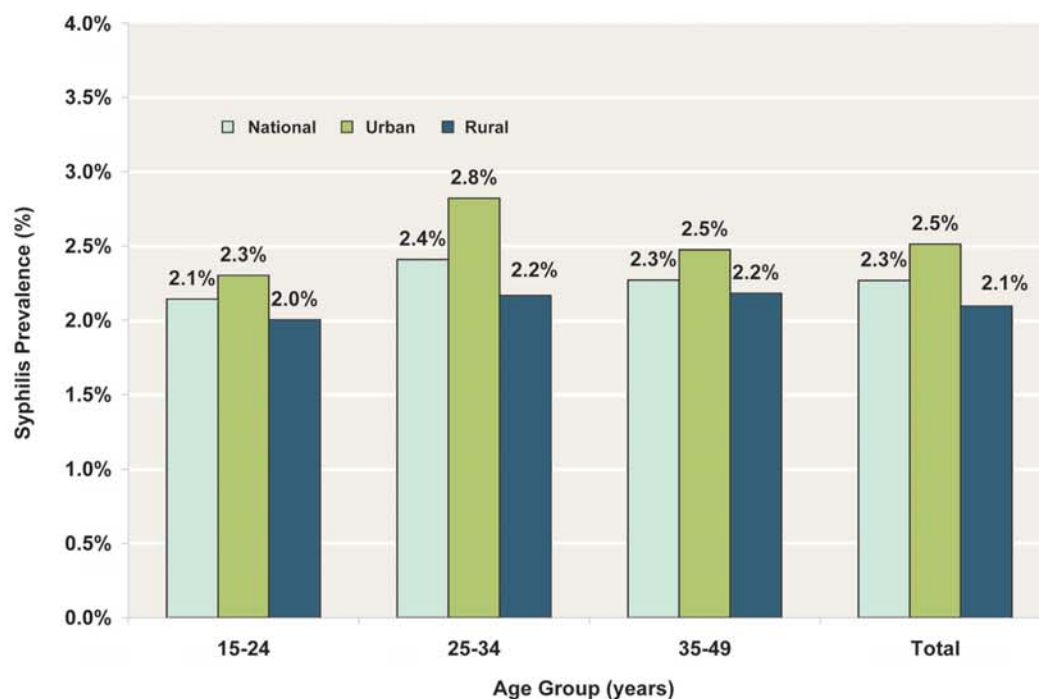
Region	Site	Sample size	RPR REACTIVITY		
			Lower 95% CL	Mean	Upper 95% CL
Tigray	Abi Adi HC	261	N/A	0.0	N/A
Tigray	Adigrat HC	306	0.0	1.0	2.1
Tigray	Maychew Hosp.	269	N/A	0.0	N/A
Tigray	Mekele HC	305	3.3	5.9	8.5
Afar	Aysaita HC	400	6.0	8.8	11.5
Afar	Dubti Hosp.	362	9.5	13.0	16.4
Amhara	Addis Zemen HC	400	1.1	2.8	4.4
Amhara	Bahir Dar HC	407	1.0	2.5	4.0
Amhara	Bahir Dar Hosp.	389	0.0	0.3	0.8
Amhara	Gondar HC	720	0.7	1.7	2.6
Amhara	Metema Hosp	405	0.6	2.0	3.3
Oromia	Alemaya HC	400	0.8	2.3	3.7
Oromia	Chiro Hosp	264	7.2	11.0	14.8
Oromia	Jima HC	300	0.0	1.3	2.6
Oromia	Metu HC	302	0.0	1.0	2.1
Oromia	Adama HC	299	0.6	2.3	4.1
Oromia	Nekemt HC	346	0.0	0.9	1.8
Oromia	Shashemene HC	302	0.0	0.7	1.6
Oromia	Moyale HC	272	N/A	0.0	N/A
Somalia	Gode Hosp				
Somalia	Jijiga Hosp	289	N/A	0.0	N/A
Beni. G.	Assosa Hosp.	291	0.2	1.7	3.2
Beni. G.	Pawe Hosp.	340	2.0	4.1	6.2
SNNPR	Awassa HC	305	1.3	3.3	5.3
SNNPR	Dilla Hosp.	237	0.0	1.3	2.7
SNNPR	Hossana Hosp.	259	0.0	0.8	1.8
SNNPR	Sodo HC	254	1.0	3.1	5.3
Gambella	Gambela Hosp.	250	1.0	3.2	5.4
Harari	Hiwot Fana Hosp.	265	0.0	0.4	1.1
Addis Ababa	Akaki HC	382	0.0	0.8	1.7
Addis Ababa	Gulele HC	391	N/A	0.0	N/A
Addis Ababa	Higher 23 HC	439	0.0	0.2	0.7
Addis Ababa	Kazanches HC	340	0.4	1.8	3.2
Addis Ababa	Tekle Haymanot HC	332	0.0	0.6	1.4
Diredawa	Dire Dawa HC	299	3.9	6.7	9.5
Diredawa	Diredawa Hosp.	275	0.2	1.8	3.4
Federal Police Hospital		250	N/A	0.0	N/A
Armed Forces Gen. Hospital		250	0.0	0.4	1.2

Table 5B.2: Rural 2005 ANC Surveillance Sites with RPR Reactivity

Region	Site	Sample size	RPR REACTIVITY		
			Lower 95% CL	Mean	Upper 95% CL
Tigray	Atsibi HC	405	0.0	0.5	1.2
Tigray	Edaga Arbi HC	405	N/A	0.0	N/A
Tigray	Workamba HC	420	0.0	1.0	1.9
Tigray	Zana HC	322	N/A	0.0	N/A
Tigray	Semema HC	378	1.8	3.7	5.6
Amhara	Bibugne HC	327	2.1	4.3	6.5
Amhara	Bora HC	409	0.6	2.0	3.3
Amhara	Chara Clinic	405	0.0	0.2	0.7
Amhara	Dangla HC (S)	410	0.9	2.4	3.9
Amhara	Enewari HC	345	0.5	2.0	3.5
Amhara	Haik HC (S)	392	0.2	1.3	2.4
Amhara	Kone HC	428	0.0	0.9	1.8
Amhara	Mertrolemariam HC (S)	390	0.5	1.8	3.1
Amhara	Sekela Clinic	444	0.3	1.4	2.4
Amhara	Tenta HC	468	6.2	8.8	11.3
Amhara	Delgi HC	407	4.6	7.1	9.6
Amhara	Jaragedo HC	236	N/A	0.0	N/A
Oromia	Ayra Hosp.	400	0.6	2.0	3.4
Oromia	Begi HC	398	N/A	0.0	N/A
Oromia	Daddim Clinic	423	0.2	1.2	2.2
Oromia	Gosa Clinic (Bore)	352	0.0	0.6	1.4
Oromia	Dello HC	408	0.2	1.2	2.3
Oromia	Derra HC	400	5.1	7.8	10.4
Oromia	Gambo Hosp	450	0.4	1.6	2.7
Oromia	Toke Clinic	413	0.6	1.9	3.3
Oromia	Chewaka HC	407	4.0	6.4	8.8
Oromia	Mesela HC	329	N/A	0.0	N/A
Oromia	Amaya Clinic	399	N/A	0.0	N/A
Oromia	Kokosa HC	402	0.0	0.2	0.7
Beni. G.	Debate HC	242	1.3	3.7	6.1
Beni. G.	Kamashi HC	384	0.8	2.3	3.9
Beni. G.	Menge HC	335	0.0	0.9	1.9
SNNPR	Agam HC	413	N/A	0.0	N/A
SNNPR	Atat Hosp.	400	0.0	0.3	0.7
SNNPR	Chencha Hosp.	406	N/A	0.0	N/A
SNNPR	Chiri HC	336	0.2	1.5	2.8
SNNPR	Sheko HC	402	1.9	3.7	5.6
SNNPR	Teza HC	400	0.0	0.5	1.2
SNNPR	Gazer HC	406	1.1	2.7	4.3
SNNPR	Bechi HC	400	1.3	3.0	4.7
Gambella	Pynido HC	249	6.0	9.6	13.3
Harari	Hasangay HC	304	0.0	0.3	1.0
Diredawa	Biyowale HC	310	0.2	1.6	3.0
	Dima Refugee Clinic	161	13.7	19.9	26.0

(s) = Surrounding Areas

Figure 5B.1: Syphilis Prevalence by Age Group and Site Setting, 2005



The unadjusted syphilis prevalence among ANC attendees in 2005 was 2.3%. This was adjusted to 2.2% after weighing for rural/urban population sizes. Among rural ANC clients the prevalence was 2.1%, whereas among urban clients it was 2.5%. In all settings those in the age group 35-49 years have the highest syphilis prevalence rates in 2005. Afar, Somali, and Gambela showed a comparatively high urban prevalence. Amhara and Benshangul-Gumuz reported the highest rural prevalence rates. Note that the diagnosis of syphilis is based on RPR testing alone. Site-level syphilis prevalence are listed in Table 5B.1 and 5B.2.

Table 5B.3: Syphilis Prevalence by Age Group and Site Setting, 2005

Setting	Age Group	No. Syphilis Positive	No. Syphilis Negative	Total No. Tested	Syphilis Prevalence	Adjusted for urban/rural population size
National	15-24	292	13,334	13,626	2.1%	2.1%
	25-34	288	11,670	11,958	2.4%	2.3%
	35-49	51	2,195	2,246	2.3%	2.2%
	Total	631	27,199	27,830	2.3%	2.2%
Urban	15-24	147	6,239	6,386	2.3%	
	25-34	125	4,307	4,432	2.8%	
	35-49	17	670	687	2.5%	
	Total	289	11,216	11,505	2.5%	
Rural	15-24	145	7,095	7,240	2.0%	
	25-34	163	7,363	7,526	2.2%	
	35-49	34	1,525	1,559	2.2%	
	Total	342	15,983	16,325	2.1%	

Table 5B.4: Syphilis Prevalence by Region and Setting of Sites, 2005

Setting	Region	No. RPR-tested	No. RPR-reactive	No. RPR-nonreactive	Crude syphilis prevalence	Adjusted for urban/rural population size
Urban + Rural	Tigray	3,071	41	3,030	1.3%	1.2%
	Afar	762	82	680	10.8%	N/A
	Amhara	6,982	174	6,808	2.5%	2.7%
	Oromia	7,266	150	7,116	2.1%	2.0%
	Somali	N/A	N/A	N/A	N/A	N/A
	Benishangul G.	1,592	40	1,552	2.5%	2.3%
	SNNPR	4,218	69	4,149	1.6%	1.5%
	Gambella	499	32	467	6.4%	N/A
	Harari	569	2	567	0.4%	0.4%
	Addis Ababa	1,884	12	1,872	0.6%	0.6%
	Dire Dawa	884	30	854	3.4%	3.8%
TOTAL		27,727	632	27,095	2.3%	2.2%
Urban	Tigray	1,141	21	1,120	1.8%	
	Afar	762	82	680	10.8%	
	Amhara	2,321	42	2,279	1.8%	
	Oromia	2,485	57	2,428	2.3%	
	Somali	N/A	N/A	N/A	N/A	
	Benishangul G.	631	19	612	3.0%	
	SNNPR	1,055	23	1,032	2.2%	
	Gambella	250	8	242	3.2%	
	Harari	265	1	264	0.4%	
	Addis Ababa	1,884	12	1,872	0.6%	
	Dire Dawa	574	25	549	4.4%	
TOTAL		11,368	290	11,078	2.5%	
Rural	Tigray	1,930	20	1,910	1.0%	
	Afar	N/A	N/A	N/A	N/A	
	Amhara	4,661	132	4,529	2.8%	
	Oromia	4,781	93	4,688	1.9%	
	Somali	N/A	N/A	N/A	N/A	
	Benishangul G.	961	21	940	2.2%	
	SNNPR	3,163	46	3,117	1.5%	
	Gambella	249	24	225	9.6%	
	Harari	304	1	303	0.3%	
	Dire Dawa	310	5	305	1.6%	
	TOTAL		16,359	342	16,017	2.1%

Figure 5B.2: Adjusted Syphilis Prevalence Among all ANC Attendees by Region, Ethiopia, 2005

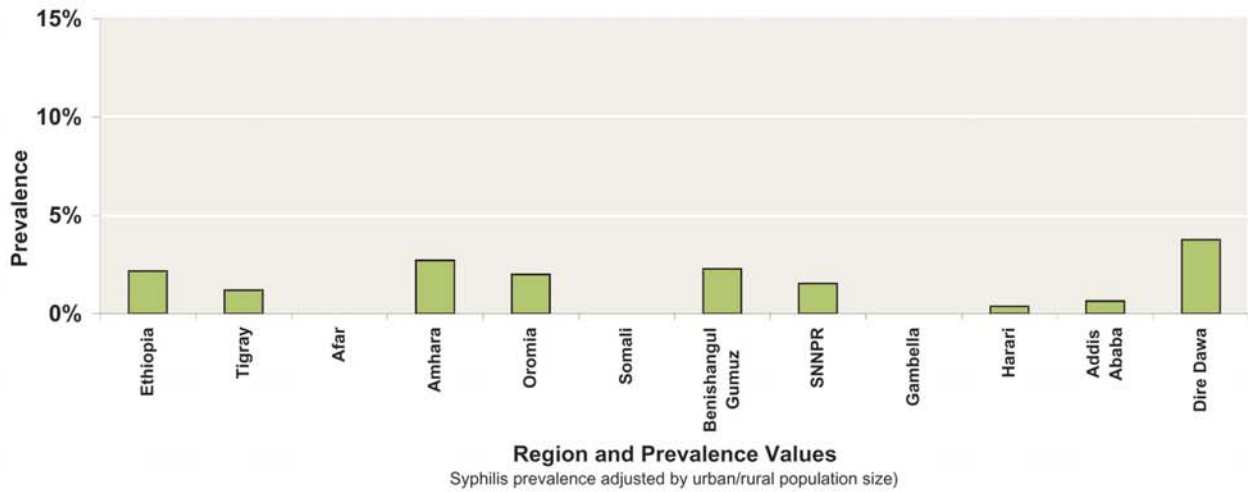


Figure 5B.3: Unadjusted Syphilis Prevalence Among 15-24 year-old ANC Attendees at Rural ANC Clinics, by Region, Ethiopia, 2005

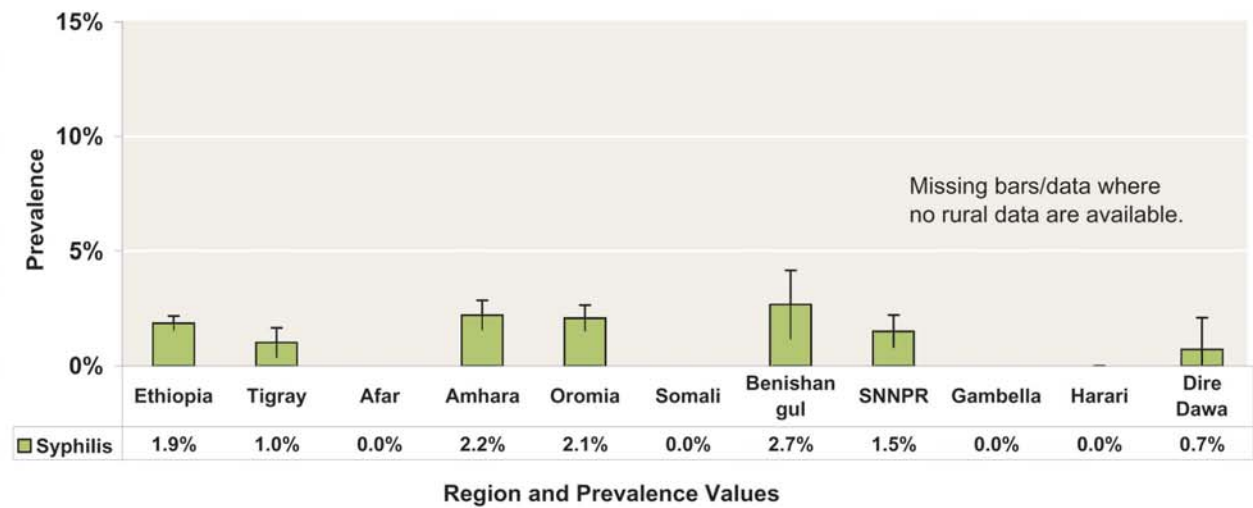


Figure 5B.4: Unadjusted Syphilis Prevalence Among 15-24 year-old ANC Attendees at Urban ANC Clinics, by Region, Ethiopia, 2005

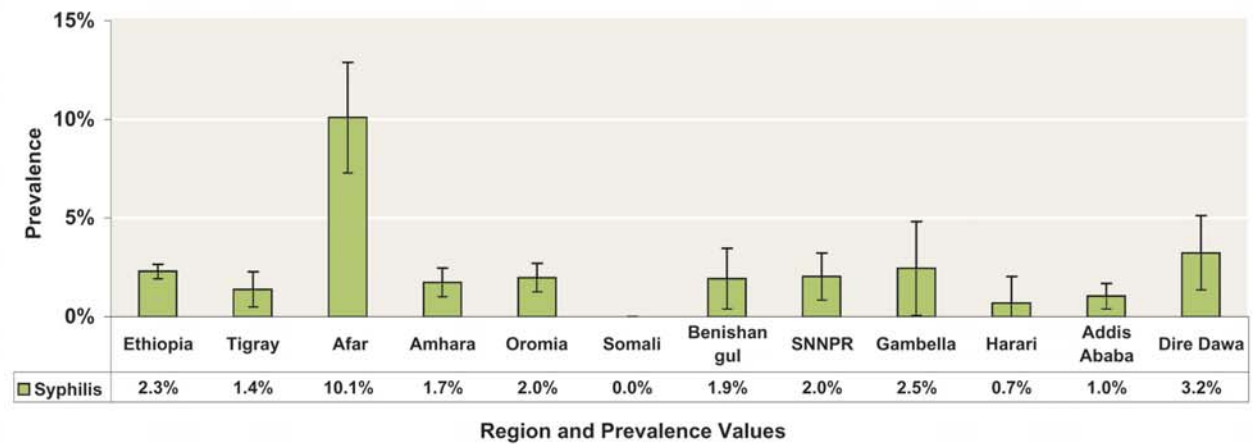


Figure 5B.5: Syphilis Prevalence by HIV-Status and Site Setting, Ethiopia, 2005

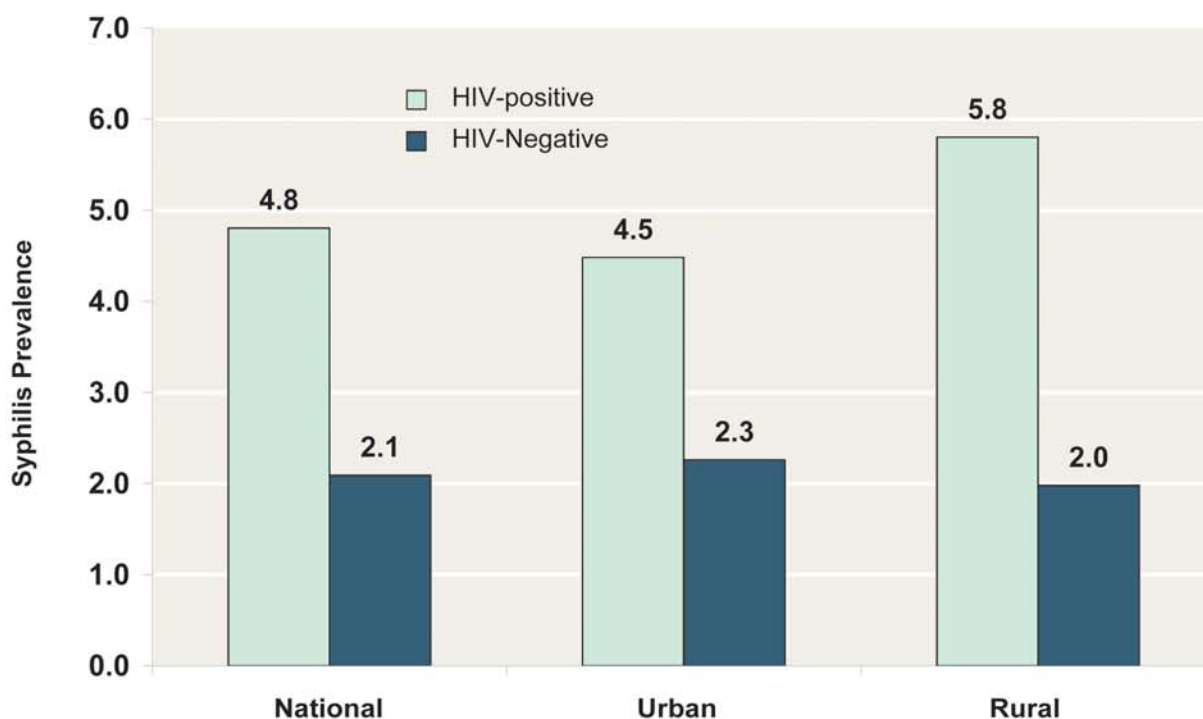


Table 5B.5: Syphilis Prevalence by HIV Status and Site Setting, Ethiopia 2005

Setting	Syphilis	HIV Status		
		Total	HIV-positive	HIV-negative
National	Total	27,702	1,478	26,224
	Non Reactive	27,083	1,407	25,676
	Reactive	619	71	548
	Syphilis prevalence	2.2	4.8	2.1
Urban	Total	11,563	1,116	10,447
	Non Reactive	11,277	1,066	10,211
	Reactive	286	50	236
	Syphilis prevalence	2.5	4.5	2.3
Rural	Total	16,139	362	15,777
	Non Reactive	15,806	341	15,465
	Reactive	333	21	312
	Syphilis prevalence	2.1	5.8	2.0